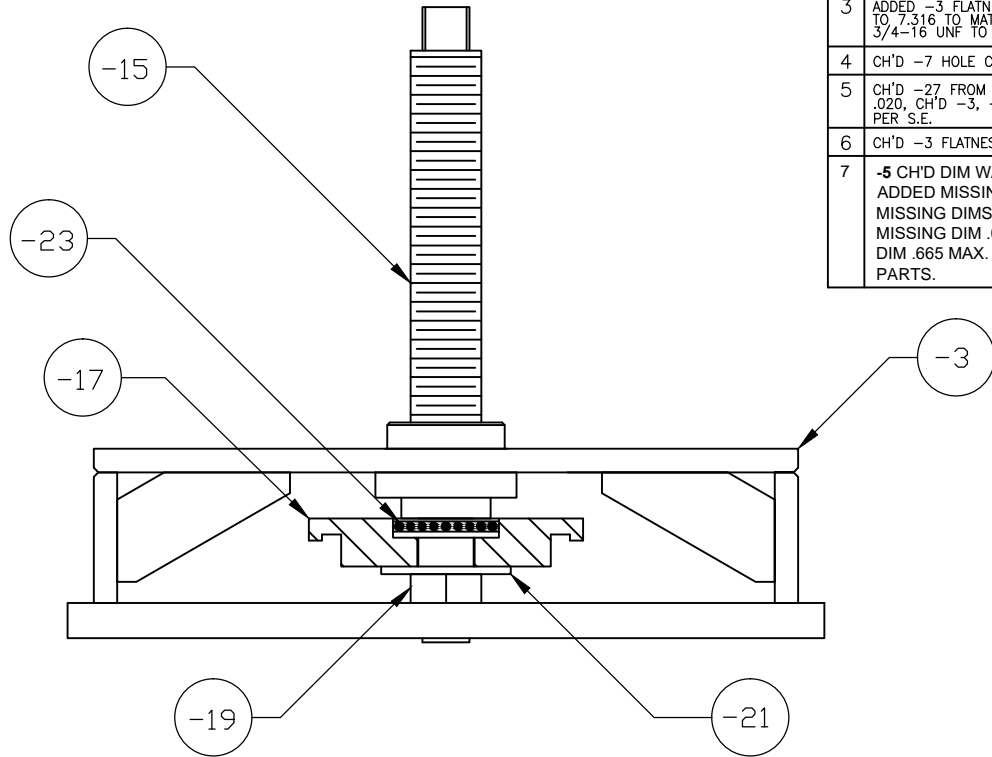


This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.



REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -5 THICKNESS FROM 1/2 TO 3/8. CH'D BOM -7 LENGTH FROM 7-3/8 TO 7-3/4. CH'D MATERIAL -15 FROM 4140 TO 4140 Q&T, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -25, CH'D -17 Ø1.125 DEPTH FROM .170 TO .205 TO ACCOMODATE BEARING THICKNESS, CH'D -3 OVERALL HEIGHT FROM 1.800 TO 1.935 +1/32-1/8, ADDED Ø.125 HOLES FOR ROLL PINS ON -5, -7, -9. CH'D WELD AT -7 & -11. ALL CHANGES PER S.E. & R.W.	1/21/11	RJC	RW
2	CORRECTED -5 Ø.210 HOLE LOCATIONS, CH'D LOCATION OF AFT & FWD TEXT PER S.E.	3/11/11	RJC	SE
3	ADDED -3 FLATNESS TOLERANCE AND TAP 3/4-16 UNF AFTER WELDING, CH'D -5 DIM. 7.315 TO 7.316 TO MATCH SIMILAR MANUFACTURED PART, CH'D -7 ENGRAVE NOTE PER R.W., CH'D 3/4-16 UNF TO TAP AFTER WELDING, CH'D -13 Ø.750 TO 3/4-16 UNF PER G.E.	5/24/11	RJC	RW
4	CH'D -7 HOLE CALL OUT FROM TAP 3/4-16 UNF AFTER WELDING PER G.E.	8/22/11	RJC	RW
5	CH'D -27 FROM STEEL, CH'D -3 ASSEMBLED OVERALL HEIGHT FROM 1.935 & FLATNESS FROM .020, CH'D -3, -5, -7, -9, -11, -13, -15, -17 DIMENSIONS TO MEET FACTORY PART, PER S.E.	12/8/11	RJC	SE
6	CH'D -3 FLATNESS TOLERANCE FROM .003 TO .010 PER G.E.	3/1/12	RJC	GE
7	-5 CH'D DIM WAS Ø6.630 IS Ø6.630 +.003 -.000. -7 CH'D DIM WAS .250 IS (.250), ADDED MISSING DIMS 2X .05 X 45°, .983. -9 CH'D DIM WAS .250 IS (.250), ADDED MISSING DIMS 2X .500, 4X .125. -13 CH'D DIM WAS Ø1.500 IS (Ø1.500), ADDED MISSING DIM .03 X 45°. -15 CH'D DIM WAS .496 SQ. IS LIMITS .497 TO .502. ADDED DIM .665 MAX. DELETED DIM .063 X 45°. CH'D TOLERANCE ON NON-CRITICAL PARTS.	5/15/14	DPD	GE

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-3	1	WELDMENT			2
1			-5		BASE	1018	Ø8-1/4 X 3/8	3
1			-7		PLATE	1018	1/4 x 2 x 7-5/8	4
2			-9		LEG	1018	1/4 x 1-7/16 x 2-3/32	5
2			-11		GUSSET	1018	1/4 x 1-9/32 x 2	6
1			-13		NUT	1018	Ø1-1/2 x 15/16	7
			-15	1	JACK BOLT	4140 Q&T	Ø1 x 6-7/8	8
			-17	1	DISC PLATE	4140	Ø3 x 5/8	9
		B/O	-19	1	HEX NUT	STEEL	1/2-20 UNF MCMaster-CARR #90499A825	1
		B/O	-21	1	FLAT WASHER	STEEL	9/16 ID MCMaster-CARR #90108A033	1
		B/O	-23	1	THRUST BEARING	STEEL	Ø5/8 ID x 1-1/8 OD MCMaster-CARR #6655K18	1
8		B/O	-25		ROLL PIN	S.S.	Ø1/8 x 1/4 MCMaster-CARR #92373A173	2

ASSY # -3

#### NOTE:

TOOL PART OF KIT RBW6305G01331-3G.

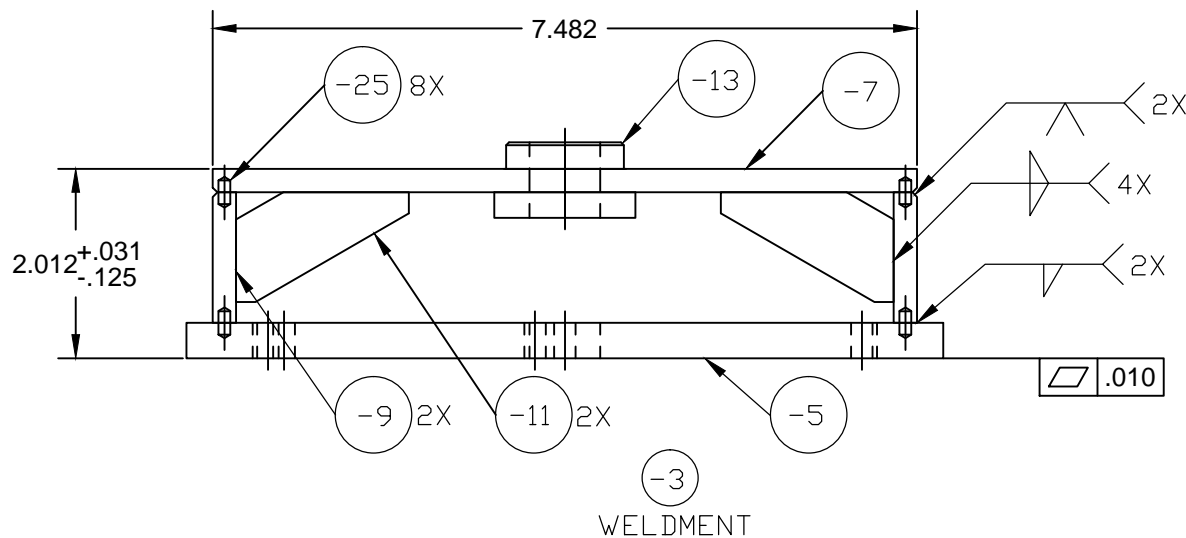
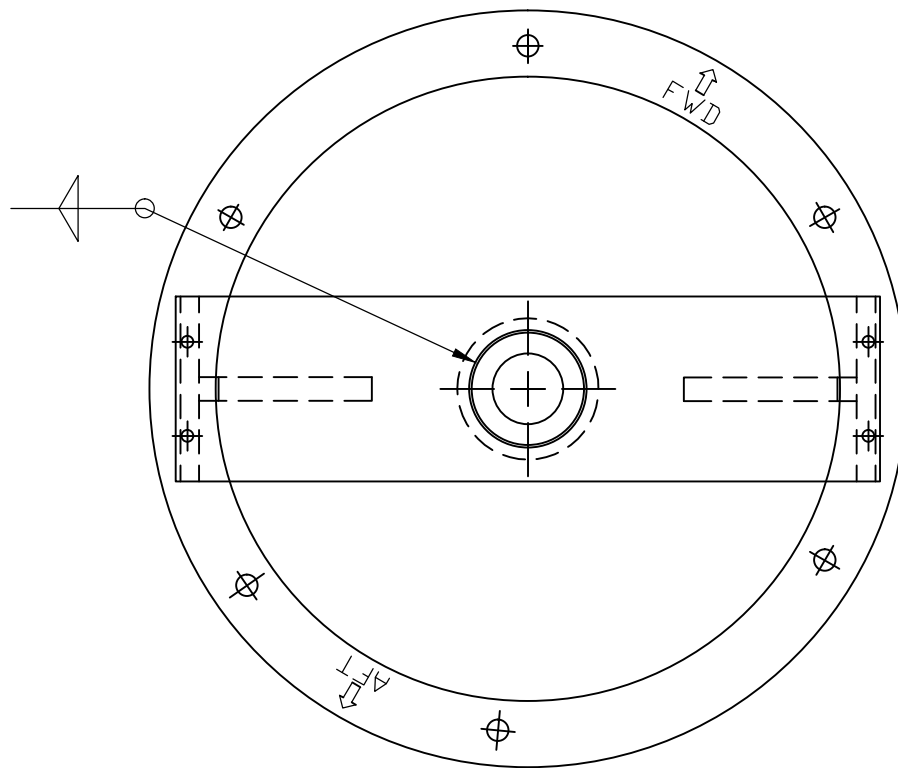
**RED BARN MACHINE**

TITLE  
PUSHER, CLUTCH IN RACE INSTALLATION

DWG NO. RBW6305G05531-3G REV 7

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: CLOUGH	
TOLERANCES ON:		APPROVED <i>D. Weil</i>	
DECIMALS		HEAT TREAT	
.XXX ± .005	FRACTIONS ± 1/32	FINISH	
.XX ± .01	ANGLES ± 5°	SPEC	
.X ± .1			
UNLESS OTHERWISE SPECIFIED		USED ON MODEL	
1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R		AW139	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	1:2	DATE	3-30-10
		SHEET	1 of 9

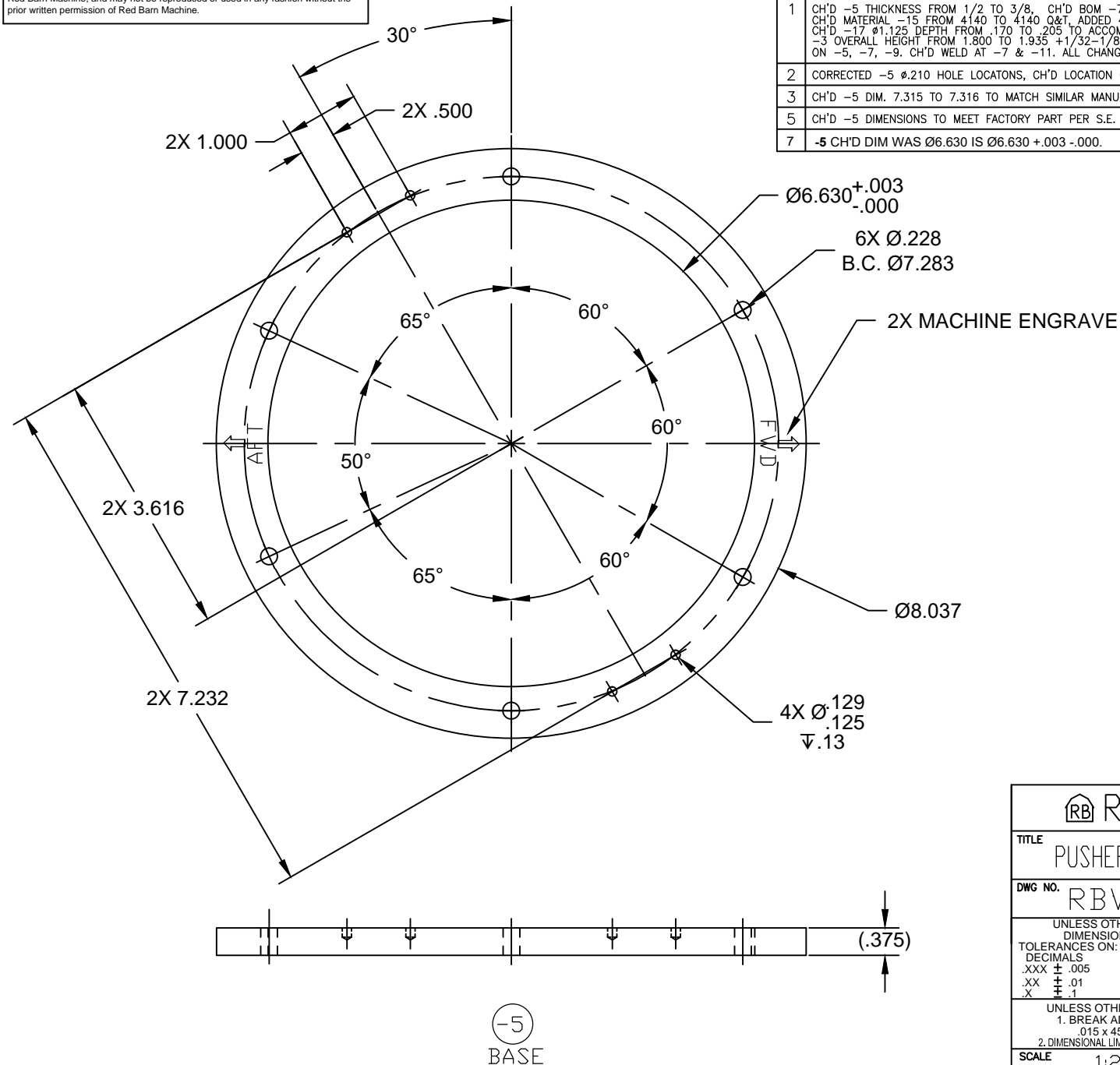
This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.



REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -5 THICKNESS FROM 1/2 TO 3/8. CH'D BOM -7 LENGTH FROM 7-3/8 TO 7-3/4. CH'D MATERIAL -15 FROM 4140 TO 4140 Q&T, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -25, CH'D -17 Ø1.125 DEPTH FROM .170 TO .205 TO ACCOMMODATE BEARING THICKNESS. CH'D -3 OVERALL HEIGHT FROM 1.800 TO 1.935 +1/32-1/8, ADDED Ø.125 HOLES FOR ROLL PINS ON -5, -7, -9. CH'D WELD AT -7 & -11. ALL CHANGES PER S.E. & R.W.	1/21/11	RJC	RW
3	ADDED -3 FLATNESS TOLERANCE AND TAP 3/4-16 UNF AFTER WELDING PER G.E.	5/24/11	RJC	RW
5	CH'D -3 ASSEMBLED OVERALL HEIGHT FROM 1.935 & FLATNESS FROM .020 PER S.E.	12/8/11	RJC	SE
6	CH'D -3 FLATNESS TOLERANCE FROM .003 TO .010 PER G.E.	3/1/12	RJC	GE

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> PUSHER, CLUTCH IN RACE INSTALLATION	
<b>DWG NO.</b> RBW6305G05531-3G-3	<b>REV</b> 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  <b>TOLERANCES ON:</b> DECIMALS .XXX ± .005 .XX ± .01 .X ± .1  FRACTIONS ± 1/32 ANGLES ± .5°	<b>DRAWN BY:</b> CLOUGH  <b>APPROVED</b> <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW  <b>SPEC</b> QQ-P-416F, TYPE II, CLASS II  USED ON MODEL  <b>AW139</b>
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SCALE</b> 1:2 <b>DATE</b> 3-30-10 <b>SHEET</b> 2 of 9

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

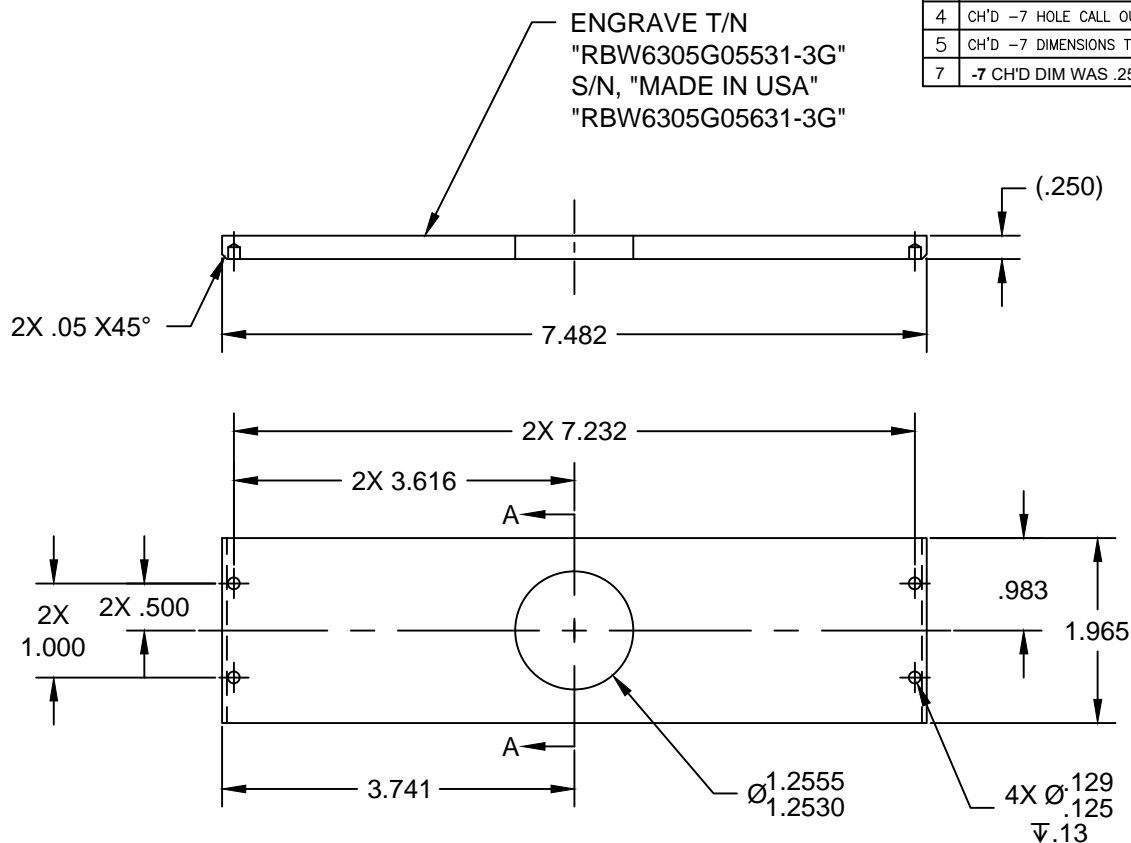


REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -5 THICKNESS FROM 1/2 TO 3/8. CH'D BOM -7 LENGTH FROM 7-3/8 TO 7-3/4. CH'D MATERIAL -15 FROM 4140 TO 4140 Q&T, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -25. CH'D -17 Ø1.125 DEPTH FROM .170 TO .205 TO ACCOMMODATE BEARING THICKNESS. CH'D -3 OVERALL HEIGHT FROM 1.800 TO 1.935 +1/32-1/8. ADDED Ø.125 HOLES FOR ROLL PINS ON -5, -7, -9. CH'D WELD AT -7 & -11. ALL CHANGES PER S.E. & R.W.	1/21/11	RJC	RW
2	CORRECTED -5 Ø.210 HOLE LOCATIONS, CH'D LOCATION OF AFT & FWD TEXT PER S.E.	3/11/11	RJC	SE
3	CH'D -5 DIM. 7.315 TO 7.316 TO MATCH SIMILAR MANUFACTURED PART PER G.E.	5/24/11	RJC	RW
5	CH'D -5 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/8/11	RJC	SE
7	-5 CH'D DIM WAS Ø6.630 IS Ø6.630 +.003 -.000.	5/15/14	DPD	GE

RED BARN MACHINE				
TITLE PUSHER, CLUTCH IN RACE INSTALLATION				
DWG NO. RBW6305G05531-3G-5				REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: CLOUGH		
TOLERANCES ON:		APPROVED <i>D. Weil</i>		
DECIMALS		HEAT		
.XXX ± .005		TREAT		
.XX ± .01		FINISH SEE -3 WELDMENT		
.X ± .1		SPEC		
UNLESS OTHERWISE SPECIFIED		USED ON MODEL		
1. BREAK ALL SHARP EDGES		AW139		
.015 x 45° PR. 015 R				
2. DIMENSIONAL LIMITS APPLY AFTER PLATING				
SCALE	1:2	DATE	3-30-10	SHEET 3 of 9

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -5 THICKNESS FROM 1/2 TO 3/8. CH'D BOM -7 LENGTH FROM 7-3/8 TO 7-3/4. CH'D MATERIAL -15 FROM 4140 TO 4140 Q&T, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -25. CH'D -17 Ø1.125 DEPTH FROM .170 TO .205 TO ACCOMODATE BEARING THICKNESS. CH'D -3 OVERALL HEIGHT FROM 1.800 TO 1.935 +1/32-1/8. ADDED Ø.125 HOLES FOR ROLL PINS ON -5, -7, -9. CH'D WELD AT -7 & -11. ALL CHANGES PER S.E. & R.W.	1/21/11	RJC	RW
3	CH'D -7 ENGRAVE NOTE PER R.W., CH'D 3/4-16 UNF TO TAP AFTER WELDING PER G.E.	5/24/11	RJC	RW
4	CH'D -7 HOLE CALL OUT FROM TAP 3/4-16 UNF AFTER WELDING PER G.E.	8/22/11	RJC	RW
5	CH'D -7 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/8/11	RJC	SE
7	-7 CH'D DIM WAS .250 IS (.250), ADDED MISSING DIMS 2X .05 X 45°, .983.	5/15/14	DPD	GE

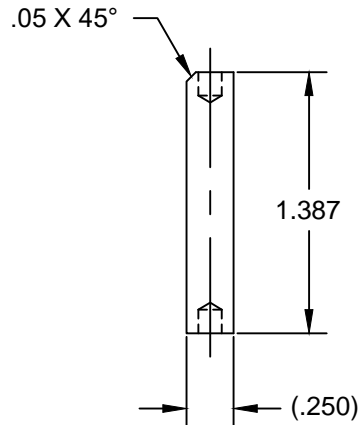
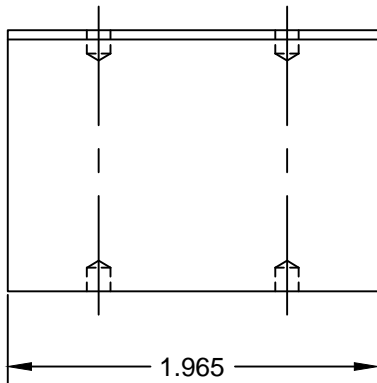
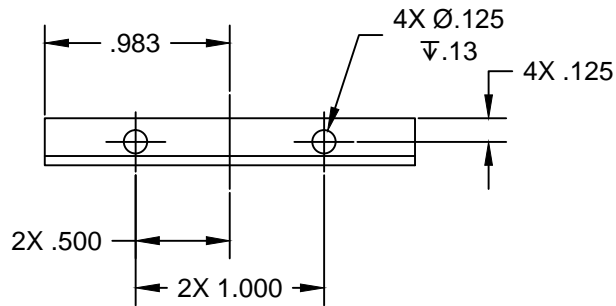


SECTION A-A

(-7)  
PLATE

<b>RED BARN MACHINE</b>	
TITLE PUSHER, CLUTCH IN RACE INSTALLATION	
DWG NO. RBW6305G05531-3G-7	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± .5°
.XX ± .01	
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 3-30-10
SHEET 4 of 9	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.



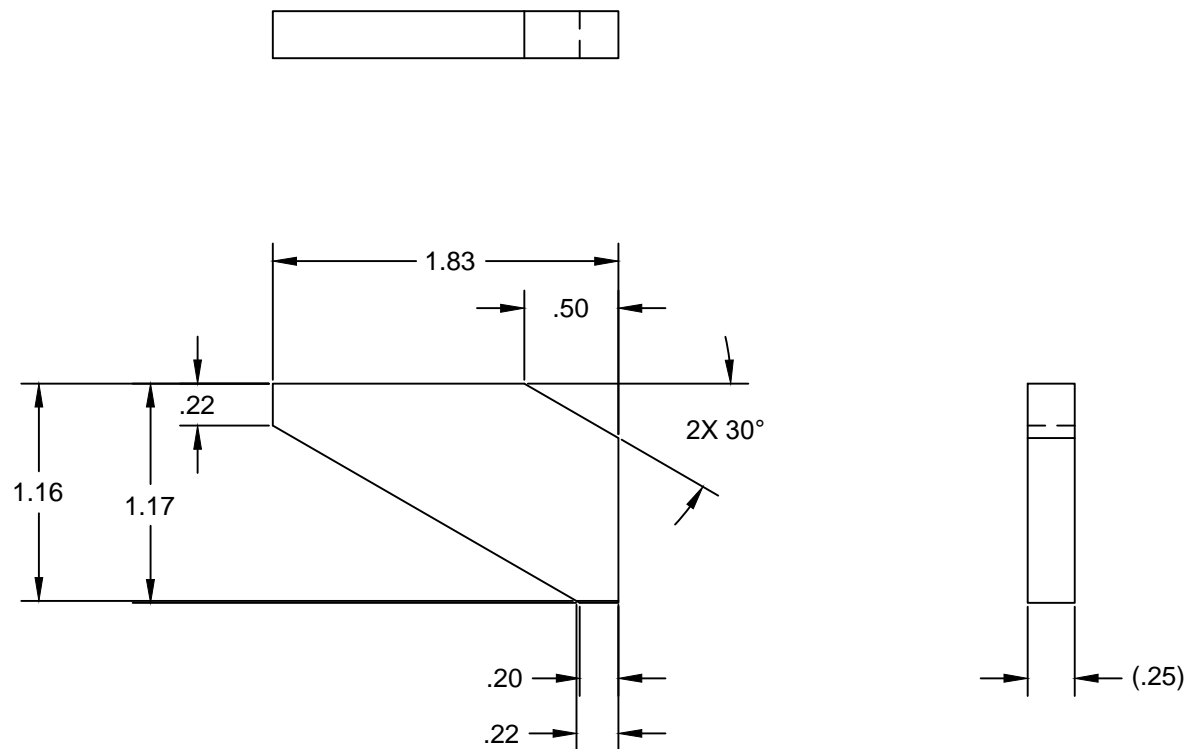
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -5 THICKNESS FROM 1/2 TO 3/8. CH'D BOM -7 LENGTH FROM 7-3/8 TO 7-3/4. CH'D MATERIAL -15 FROM 4140 TO 4140 Q&T, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -25, CH'D -17 Ø1.125 DEPTH FROM .170 TO .205 TO ACCOMMODATE BEARING THICKNESS, CH'D -3 OVERALL HEIGHT FROM 1.800 TO 1.935 +1/32-1/8, ADDED Ø.125 HOLES FOR ROLL PINS ON -5, -7, -9. CH'D WELD AT -7 & -11. ALL CHANGES PER S.E. & R.W.	1/21/11	RJC	RW
5	CH'D -9 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/8/11	RJC	SE
7	-9 CH'D DIM WAS .250 IS (.250), ADDED MISSING DIMS 2X .500, 4X .125.	5/15/14	DPD	GE

-9  
LEG

<b>RED BARN MACHINE</b>	
TITLE PUSHER, CLUTCH IN RACE INSTALLATION	
DWG NO. RBW6305G05531-3G-9	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 3-30-10
SHEET 5 of 9	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
5	CH'D -11 DESIGN TO MEET FACTORY PART PER S.E.	12/8/11	RJC	SE

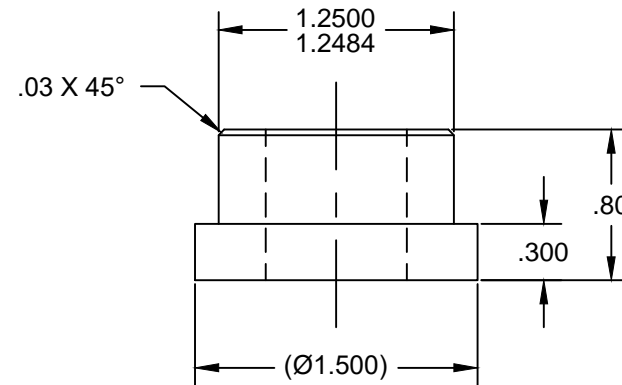
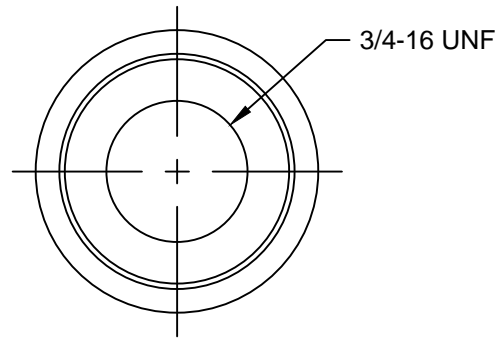


(-11)  
GUSSET

RED BARN MACHINE	
TITLE PUSHER, CLUTCH IN RACE INSTALLATION	
DWG NO. RBW6305G05531-3G-11	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH	
APPROVED:	
HEAT TREAT	
FINISH SEE -3 WELDMENT	
SPEC	
USED ON MODEL	
AW139	
SCALE 1:1	DATE 3-30-10
SHEET 6 of 9	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D -13 Ø.750 TO 3/4-16 UNF PER G.E.	5/24/11	RJC	RW
5	CH'D -13 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/8/11	RJC	SE
7	-13 CH'D DIM WAS Ø1.500 IS (Ø1.500), ADDED MISSING DIM .03 X 45°.	5/15/14	DPD	GE

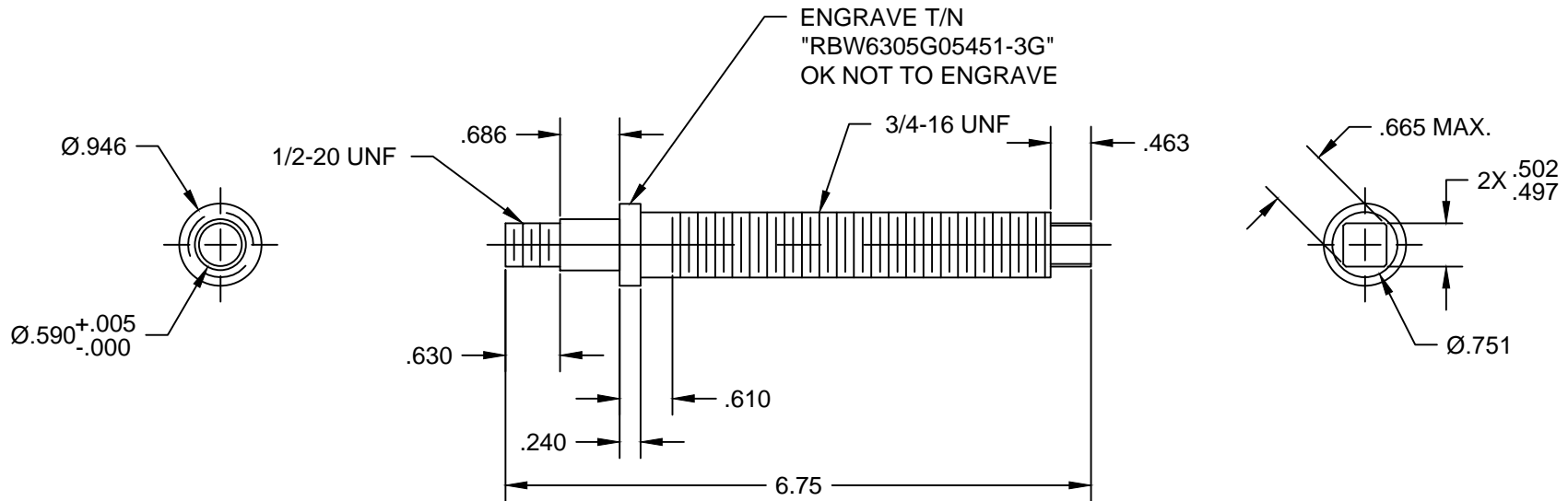


-13  
NUT



RB RED BARN MACHINE	
TITLE PUSHER, CLUTCH IN RACE INSTALLATION	
DWG NO.	RBW6305G05531-3G-13
REV	7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH	
APPROVED <i>D Weil</i>	
HEAT TREAT	
FINISH SEE -3 WELDMENT	
SPEC	
USED ON MODEL	
AW139	
SCALE 1:1	DATE 3-30-10
SHEET 7 of 9	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
5	CH'D -15 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/8/11	RJC	SE
7	-15 CH'D DIM WAS .496 SQ. IS LIMITS .497 TO .502. ADDED DIM .665 MAX. DELETED DIM .063 X 45°.	5/15/14	DPD	GE



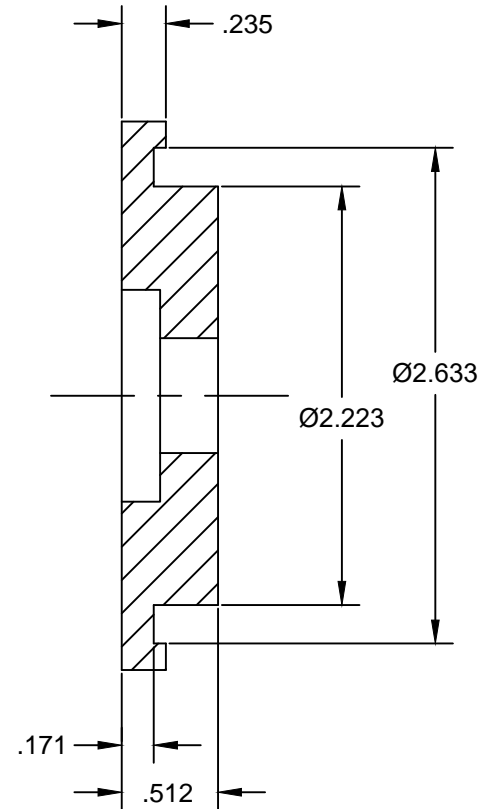
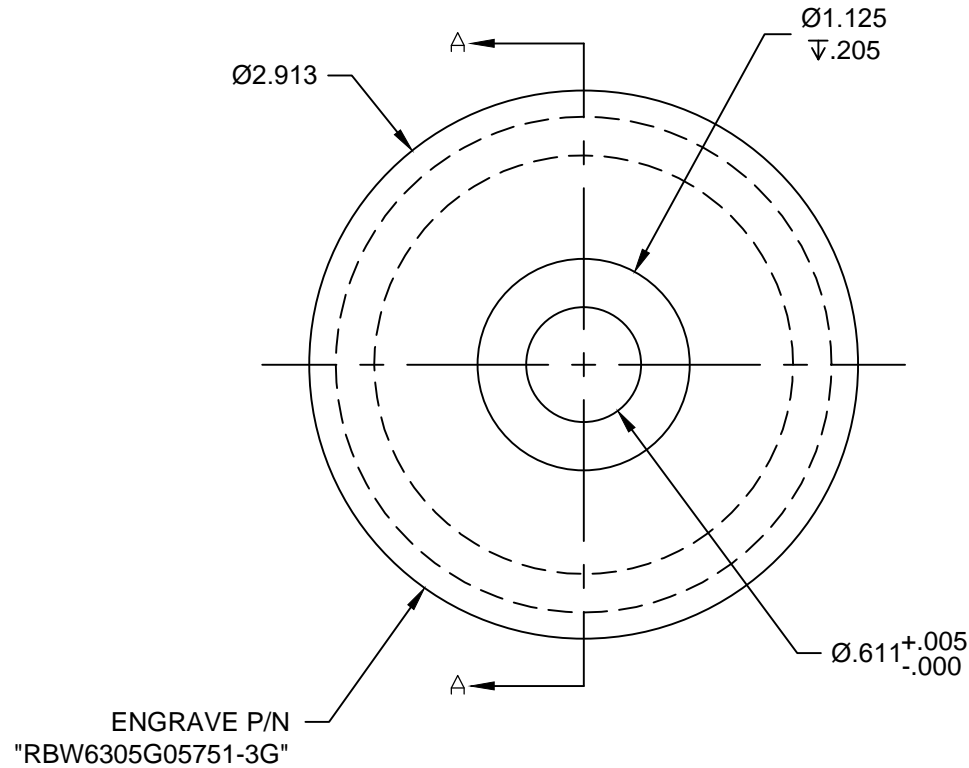

  
 JACK BOLT

 RED BARN MACHINE	
TITLE PUSHER, CLUTCH IN RACE INSTALLATION	
DWG NO. RBW6305G05531-3G-15	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 X 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 3-30-10
SHEET 8 of 9	
DRAWN BY: CLOUGH APPROVED:  HEAT TREAT: FINISH: CAD PLATE YELLOW SPEC: QQ-P-416F, TYPE II, CLASS II USED ON MODEL: AW139	



This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -5 THICKNESS FROM 1/2 TO 3/8. CH'D BOM -7 LENGTH FROM 7-3/8 TO 7-3/4. CH'D MATERIAL -15 FROM 4140 TO 4140 Q&T, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -25, CH'D -17 Ø1.125 DEPTH FROM .170 TO .205 TO ACCOMMODATE BEARING THICKNESS, CH'D -3 OVERALL HEIGHT FROM 1.800 TO 1.935 +1/32-1/8, ADDED Ø.125 HOLES FOR ROLL PINS ON -5, -7, -9. CH'D WELD AT -7 & -11. ALL CHANGES PER S.E. & R.W.	1/21/11	RJC	RW
5	CH'D -17 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/8/11	RJC	SE



SECTION A-A

(-17)  
DISC PLATE

RED BARN MACHINE	
TITLE PUSHER, CLUTCH IN RACE INSTALLATION	
DWG NO. RBW6305G05531-3G-17	REV 7
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± .5°
.XX ± .01	
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 3-30-10
SHEET 9 of 9	
DRAWN BY: CLOUGH APPROVED: <i>D. Weil</i> HEAT TREAT: FINISH: CAD PLATE YELLOW SPEC: QQ-P-416F, TYPE II, CLASS II USED ON MODEL: AW139	